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Abstract : The DoD is in the process of gathering information on the status of market offerings for software engineering environments. This paper identifies and analyzes (1) compiler and computer-aided software engineering (CASE) tools that support the software

engineering process for applications written in the Ada and C++ programming languages, and (2) associated training and education available for each language. The primary focus was on business systems; application domains such as artificial intelligence, computer-aided design/ computer-aided manufacturing, and embedded systems were excluded. Only commercial-off-the-shelf (COTS) products from U.S. vendors were considered. The data provided will be used by the DoD in the development of a business case to determine whether any waivers to the Ada requirement for business systems may be warranted.

Descriptors : *SOFTWARE ENGINEERING , *ADA PROGRAMMING LANGUAGE , *PROGRAMMING LANGUAGES , COURSES(EDUCATION) , COMPUTER AIDED MANUFACTURING , COMPILERS , ARTIFICIAL INTELLIGENCE , COMPUTER AIDED DESIGN , DEPARTMENT OF DEFENSE , COMPUTER APPLICATIONS

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